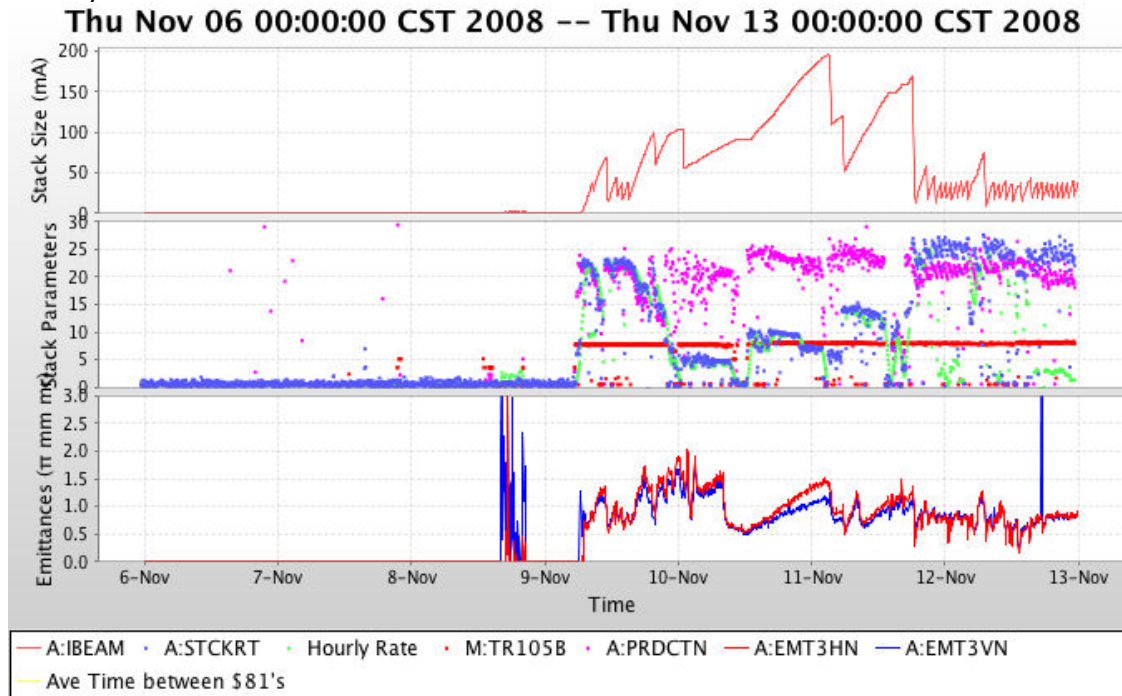


2008-11-13 Pbar Department Meeting

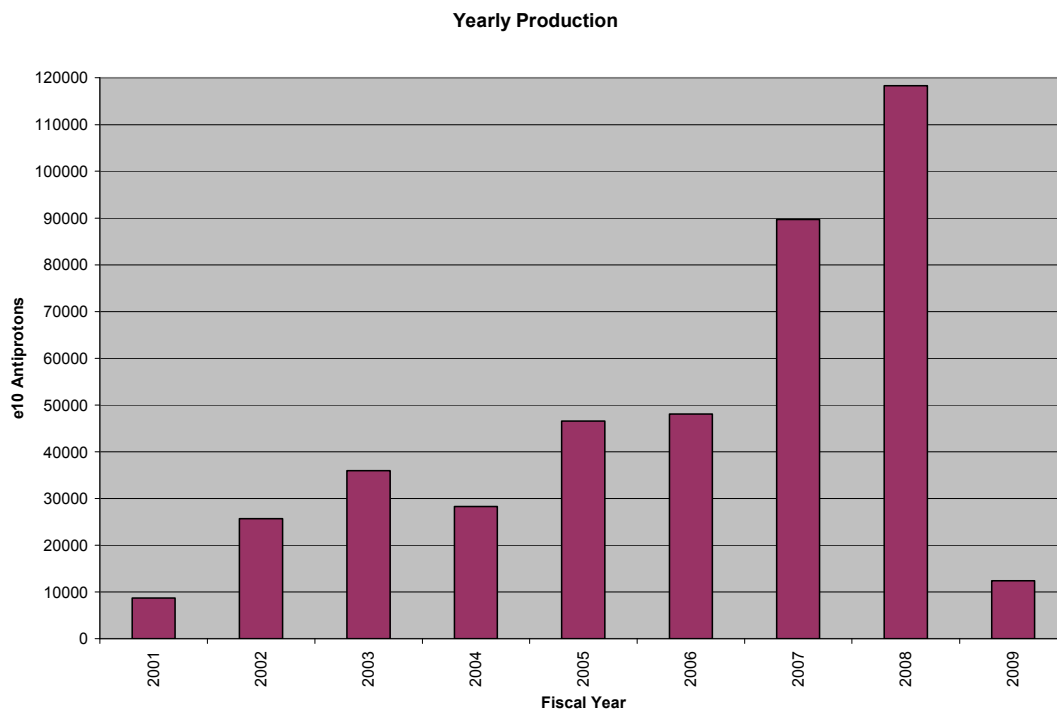
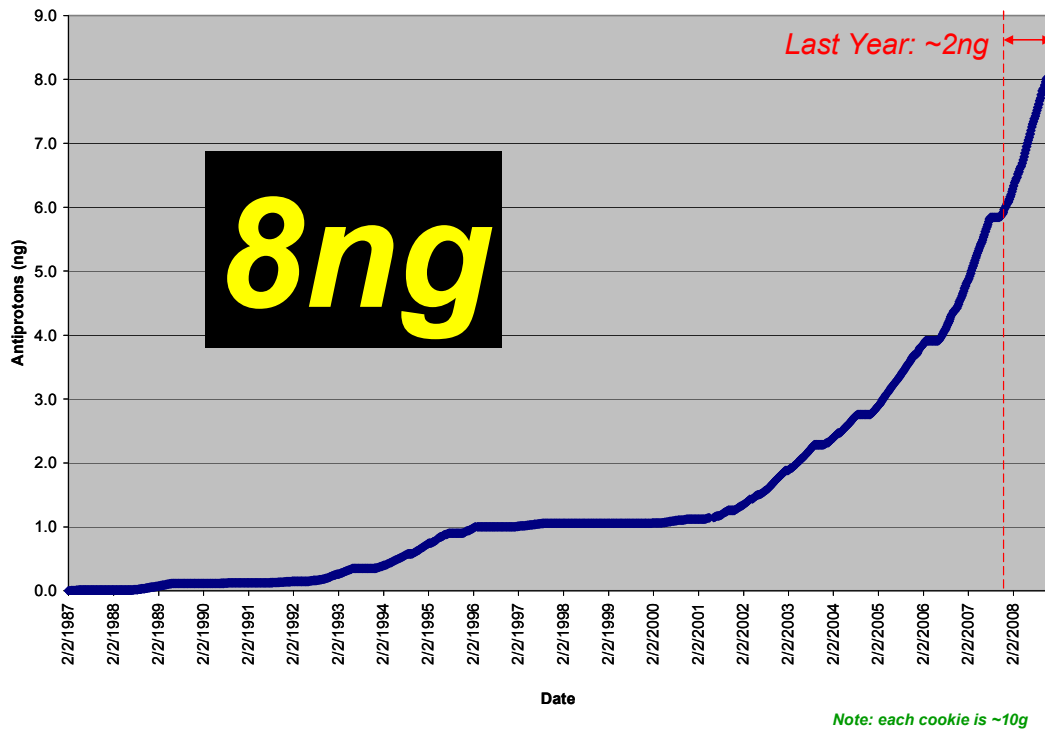
Thursday, November 13, 2008
9:56 AM

Weekly Performance



- First half of week was recovery from power outage.
- Got into large stacks
- Had ~193mA
- 11 sec cycle times,
- When Ecool back, doing ok, but core transverse emittances are big...
- Total mass of antiprotons ever collected.

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- Since Run I
- For F"Y09, already have more than all of FY01.
- Topics for today.
 - Targets & Lenses
 - No new spare targets
 - Working on building 3
 - Ready January.
 - Target should last through February.
 - Instead of running target until yield falls off. Try going to a new position once a week... hoping to get flat yield and not get big valley in

- target
 - Lens
 - ◆ 10mm-5 is in.
 - ◆ Raised gradient to 2600V
 - ◆ 10-6 is on the test stand. Some problem with the power supply on the test stand. Should be finished next week
 - ◆ Spares
 - ◇ Lens 32 - old style
 - ◇ 10-2 - leaking water lines, but would be first choice.
- Core Transverse Cooling Systems
 - Emittances are higher since taking out the equalizer
 - When centering tanks, 3 bands used to have parabolic distribution, now flat.
 - Gains are different?
 - Did something break?
 - Ralph says the stacktail is heating.
 - Jim will wiggle the tanks today.
 - Keith corrected the orbit from 2-3 weeks ago.
 - Pete and Wes will change the PADs next access opportunity.
- Stacktail
 - Will have more measurements to take.
 - Haven't checked cryo notch to see if it came back to the same spot.
- Digital Status Bits Monitoring
 - Way power cycling happened. For digital alarms, the individual bits are not being monitored. Stan couldn't find anything in Pbar. This has been a bit problem for the Tevatron. Normally during power outage all database machines are on UPS. Databases store info. On power up, Fes read out of database. On power outage, UPS came into alarm, database machines shutdown uncleanly. When came back, Fes reboot, databases still recovering, the corrupt data fed to FE.
- May 2009 PAC Abstract Deadline is early Dec08